

# ABSTRACT

An optical module which can be made more compact and lightweight. An end portion (18) of a mounting substrate (10) forms a mirror which reflects light through 90 degrees. A surface-emission laser (22) is disposed so that a light-emitting aperture (28) faces the end portion (18). Within the mounting substrate (10) are formed a core (12) extending along the plane of the mounting substrate (10) and a cladding (14). The mounting substrate (10) doubles as an optical waveguide. Therefore, the optical module can be made thinner. As a result, the optical module can be made more compact and lightweight.